

Brannock

## RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/535,814C  
Source: 1600 RUSH  
Date Processed by STIC: 6/10/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom:

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,  
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,  
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



1600

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/535,814C

DATE: 06/10/2002  
TIME: 15:44:48

Input Set : A:\EP.txt  
Output Set: N:\CRF3\06102002\I535814C.raw

C--> 6 <140> CURRENT APPLICATION NUMBER: US/09/535,814C  
C--> 6 <141> CURRENT FILING DATE: 2000-03-28  
W--> 0 <110> APPLICANT:  
W--> 0 <120> TITLE INVENTION:  
W--> 0 <130> FILE REFERENCE:  
E--> 6 <160> NUMBER OF SEQ ID NOS: NUMBER OF SEQ ID NOS: 3

Does Not Comply  
Corrected Diskette Needed

## ERRORED SEQUENCES

E--> 8 <210> SEQ ID NO: SEQ ID NO 1  
9 <211> LENGTH: LENGTH: 313  
E--> 10 <212> TYPE: TYPE: PRT  
11 <213> ORGANISM: ORGANISM: Canis familiaris  
E--> 13 <400> SEQUENCE: SEQUENCE: 1  
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16 1 5 10 15  
18 Gly Leu Pro Ile Asp Pro Asp Gln Arg Asp Leu Phe Tyr Ala Leu  
E--> 19 16 20 25 30  
21 Phe Leu Ala Met Tyr Val Thr Thr Ile Leu Gly Asn Leu Leu Ile  
E--> 22 31 35 40 45  
24 Ile Val Leu Ile Gln Leu Asp Ser His Leu His Thr Pro Met Tyr  
E--> 25 46 50 55 60  
27 Leu Phe Leu Ser Asn Leu Ser Phe Ser Asp Leu Cys Phe Ser Ser  
E--> 28 61 65 70 75  
30 Val Thr Met Pro Lys Leu Leu Gln Asn Met Gln Ser Gln Val Pro  
E--> 31 76 80 85 90  
33 Ser Ile Pro Tyr Ala Gly Cys Leu Thr Gln Met Tyr Phe Phe Leu  
E--> 34 91 95 100 105  
36 Phe Phe Gly Asp Leu Glu Ser Phe Leu Leu Val Ala Met Ala Tyr  
E--> 37 106 110 115 120  
39 Asp Arg Tyr Val Ala Ile Cys Phe Pro Leu His Tyr Thr Thr Ile  
E--> 40 121 125 130 135  
42 Met Ser Pro Lys Leu Cys Phe Ser Leu Leu Val Leu Ser Trp Val  
E--> 43 136 140 145 150  
45 Leu Thr Met Phe His Ala Val Leu His Thr Leu Leu Met Ala Arg  
E--> 46 151 155 160 165  
48 Leu Cys Phe Cys Ala Asn Thr Ile Pro His Phe Phe Cys Asp Met  
E--> 49 166 170 175 180  
51 Ser Ala Leu Leu Lys Leu Ala Cys Ser Asp Thr Gln Val Asn Glu  
E--> 52 181 185 190 195  
54 Leu Val Ile Phe Ile Met Gly Gly Leu Ile Leu Val Ile Pro Phe  
E--> 55 196 200 205 210

See following

Page

09/535,814C 2

<110>  
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<141>  
<160> ~~NUMBER OF SEQ ID NOS.~~ 3

SEQUENCE LISTING

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<212> TYPE: PRT  
<213> ORGANISM: Canis familiaris

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1 5 10 15

Gly Leu Pro Ile Asp Pro Asp Gln Arg Asp Leu Phe Tyr Ala Leu  
16 20 25 30

Phe Leu Ala Met Tyr Val Thr Thr Ile Leu Gly Asn Leu Leu Ile  
31 35 40 45

Ile Val Leu Ile Gln Leu Asp Ser His Leu His Thr Pro Met Tyr  
46 50 55 60

Leu Phe Leu Ser Asn Leu Ser Phe Ser Asp Leu Cys Phe Ser Ser  
61 65 70 75

Val Thr Met Pro Lys Leu Leu Gln Asn Met Gln Ser Gln Val Pro  
76 80 85 90

Ser Ile Pro Tyr Ala Gly Cys Leu Thr Gln Met Tyr Phe Phe Leu  
91 95 100 105

Phe Phe Gly Asp Leu Glu Ser Phe Leu Leu Val Ala Met Ala Tyr  
106 110 115 120

Asp Arg Tyr Val Ala Ile Cys Phe Pro Leu His Tyr Thr Thr Ile  
121 125 130 135

Met Ser Pro Lys Leu Cys Phe Ser Leu Leu Val Leu Ser Trp Val  
136 140 145 150

Leu Thr Met Phe His Ala Val Leu His Thr Leu Leu Met Ala Arg  
151 155 160 165

Leu Cys Phe Cys Ala Asn Thr Ile Pro His Phe Phe Cys Asp Met  
166 170 175 180

Ser Ala Leu Leu Lys Leu Ala Cys Ser Asp Thr Gln Val Asn Glu  
181 185 190 195

Leu Val Ile Phe Ile Met Gly Gly Leu Ile Leu Val Ile Pro Phe  
196 200 205 210

Leu Leu Ile Ile Thr Ser Tyr Ala Arg Ile Val Ser Ser Ile Leu  
211 215 220 225

Lys Val Pro Ser Ala Ile Gly Ile Cys Lys Val Phe Ser Thr Cys  
226 230 235 240

delete

SEQUENCE LISTING

insert these mandatory numeric identifiers and their responses  
show only numeric identifiers and their responses

(do not show  
alphabetical  
headings)

02/535,814c 3

Gly Ser His Leu Ser Val Val Ser Leu Phe Tyr Gly Thr Val Ile  
241 245 250 255  
Gly Leu Tyr Leu Cys Pro Ser Ala Asn Asn Ser Thr Val Lys Glu  
256 260 265 270  
Thr Ile Met Ala Met Met Tyr Thr Val Val Thr Pro Met Leu Asn  
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Pro Phe Ile Tyr Ser Leu Arg Asn Lys Asp Met Lys Gly Ala Leu  
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Arg Arg Val Ile Cys Arg Lys Lys Ile Thr Phe Ser Val  
301 305 310

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<213> ORGANISM: Canis familiaris

<400> SEQUENCE: 2

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<210> SEQ\_ID NO 3  
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<212> TYPE: PRT  
<213> ORGANISM: Canis familiaris

<400> SEQUENCE: 3

Leu Phe Leu Ser Asn Leu Ser Phe Ser Asp Leu Cys Ala  
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Please consult sample Sequence Listing  
(attached) for valid format

<110> Smith, John; Smithgene Inc.

<120> Example of a Sequence Listing

<130> 01-00001

<140> PCT/EP98/00001  
<141> 1998-12-31

<150> US 08/999,999  
<151> 1997-10-15

<160> <

<170> PatentIn version 2.0

<210> 1  
<211> 389  
<212> DNA  
<213> Paramecium sp.

<220>  
<221> CDS  
<222> (279)...(389)

<300>  
<301> Doe, Richard  
<302> Isolation and Characterization of a Gene Encoding a  
Protease from Paramecium sp.  
<303> Journal of Genes  
<304> 1  
<305> 4  
<306> 1-7  
<307> 1988-06-31  
<308> 123456  
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agggagagtg ttttgcacctt cctctgcctt tgcagtcctt caggcaggcd ggcaggcagc E 120  
tgcgtgtggca attgtgtggca gtgtccacagg ctttcctagcc aggttttaggg tgggtttccgc 180  
cgcggcgccgg cggccccctt cgcgttcctc tggcgccccctt ctttcgtctt ccttcgtctc 240

Please consult

Appendix 3, page 2

<210>	2
<211>	37
<212>	PRT
<213>	Paramecium sp.

<<00> 2  
 Met Val Ser Met Phe Ser Leu Ser Phe Lys 10 Trp Pro Gly Phe Cys 15 Leu  
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 Phe Val Cys Leu 20 Phe Cln Cys Pro Lys 25 Val Leu Pro Cys His 30 Ser Ser  
 Leu Cln Pro Asn Leu  
 15

<210>	3
<211>	11
<212>	PRT
<213>	Artificial Sequence

<220>  
<223> Designed peptide based on size and polarity to act as a linker between the alpha and beta chains of Protein XYZ.

<400>	Met	Val	Asn	Ieu	Glu	Pro	Met	His	Thr	Glu	Ile
	1				5					10	

<210> 4  
<400> 4  
000

[Annex VIII follows]

identifiers and their accompanying information as shown in the following table. The numeric identifier shall be used only in the "Sequence Listing." The order and presentation of the items of information in the "Sequence Listing" shall conform to the arrangement given below. Each item of information shall begin on a new line and shall begin with the numeric identifier enclosed in angle brackets as shown. The submission of those items of information designated with an "M" is mandatory. The submission of those items of information designated with an "O" is optional. Numeric identifiers <110> through <170> shall only be set forth at the beginning of the "Sequence Listing." The following table illustrates the numeric identifiers.

Numeric Identifier	Definition	Comments and Format	Mandatory (M) or Optional (O)
<110>	Applicant	Preferably max. of 10 names; one name per line; preferable format: Surname, Other Names and/or Initials	M
<120>	Title of Invention		M
<130>	File Reference	Personal file reference	M, when filed prior to assignment of appl. number
<140>	Current Application Number	Specify as: US 07/999,999 or PCT/US96/99999	M, if available
<141>	Current Filing Date	Specify as: yyyy-mm-dd	M, if available
<150>	Prior Application Number	Specify as: US 07/999,999 or PCT/US96/99999	M, if applicable include priority documents under 35 USC 119 and 120
<151>	Prior Application Filing Date	Specify as: yyyy-mm-dd	M, if applicable
<160>	Number of SEQ ID NOS	Count includes total number of SEQ ID NOS	M
<170>	Software	Name of software used to create the Sequence Listing	O
<210>	SEQ ID NO:#:	Response shall be an integer representing the SEQ ID NO shown	M
<211>	Length	Respond with an integer expressing the number of bases or amino acid residues	M

<212>	Type	Whether presented sequence molecule is DNA, RNA, or PRT (protein). If a nucleotide sequence contains both DNA and RNA fragments, the type shall be "DNA." In addition, the combined DNA/RNA molecule shall be further described in the <220> to <223> feature section.
<213>	Organism	Scientific name, i.e. Genus/species, Unknown or Artificial Sequence. In addition, the "Unknown" or "Artificial Sequence" organisms shall be further described in the <220> to <223> feature section.
<220>	Feature	Leave blank after <220>. <221-223> provide for a description of points of biological significance in the sequence.
<221>	Name/Key	Provide appropriate identifier for feature, preferably from WIPO Standard ST.25 (1998), Appendix 2, Tables 5 and 6
<222>	Location	Specify location within sequence; where appropriate state number of first and last bases/amino acids

		" in feature	was used in sequence
<223>	Other Information	Other relevant information; four lines maximum	M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence; if ORGANISM is "Artificial Sequence" or "Unknown"; if molecule is combined DNA/RNA
<300>	Publication Information	Leave blank after <300>	0
<301>	Authors	Preferrably max of ten named authors of publication; specify one name per line; preferable format: Surname, Other Names and/or Initials	✓ 0
<302>	Title		0
<303>	Journal		0
<304>	Volume		0
<305>	Issue		0
<306>	Pages		0
<307>	Date	Journal date on which data published; specify as yyyy-mm-dd, MM-yyyy or Season-yyyy	0
<308>	Database Accession Number	Accession number assigned by database including database name	0
<309>	Database Entry Date	Date of entry in database; specify as yyyy-mm-dd or MM-yyyy	0
<310>	Patent Document Number	Document number; for patent-type citations only. Specify as, for example, US 07/999,999	0

<311>	Patent Fil Date	Document filing date, for patent-type citations only; specify as yyyy-mm-dd
<312>	Publication Date	Document publication date, for patent-type citations only; specify as yyyy-mm-dd
<313>	Relevant Residues	FROM (position) TO (position)
<400>	Sequence	SEQ ID NO should follow the numeric identifier and should appear on the line preceding the actual sequence

5. Section 1.024 is revised to read as follows:

1.024 Form and format for nucleotide and/or amino acid sequence submissions in computer readable form.

(a) The computer readable form required by 1.021(c) shall meet the following specifications:

(1) The computer readable form shall contain a single "Sequence Listing" as either a diskette, series of diskettes, or other permissible media outlined in paragraph (c) of this section.

(2) The "Sequence Listing" in paragraph (a) (1) of this section shall be submitted in American Standard Code for Information Interchange (ASCII) text. No other formats shall be allowed.

(3) The computer readable form may be created by any means, such as word processors, nucleotide/amino acid sequence editors or other custom computer programs; however, it shall conform to all specifications detailed in this section.

(4) File compression is acceptable when using diskette media, so long as the compressed file is in a self-extracting format that will decompress on one of the systems described in paragraph (b) of this section.

(5) Page numbering shall not appear within the computer readable form version of the "Sequence Listing" file.

(6) All computer readable forms shall have a label permanently affixed thereto on which has been hand-printed or typed: the name of the applicant, the title of the invention, the date on which the data were recorded on the computer readable form, the operating system used, a reference number, and an application serial number and filing date, if known.

(b) Computer readable form submissions must meet these format requirements:

(1) Computer: IBM PC/XT/AT, or compatibles, or Apple Macintosh;

(2) Operating System: MS-DOS, Unix or Macintosh;